

Competence 4

The ability to undertake all routine preventative maintenance activities that are required to be carried out on electrical subsea equipment

This meets the requirements of IMCA

Candidate Name:		Date:	
Activity Number (1,2, or 3):			

Performance Criteria: all of these must be assessed over a minimum of 3 work activities

Type of Evidence: Observation (O), Work Product (P), Written (W), Questioning (Q), Not Covered (N/C) or Not Applicable (N/A)

	Performance Criteria	Type of Evidence
a)	Can locate and use all system electrical drawings prior to carrying out maintenance activities	
b)	Can identify all components on a specific piece of electrical subsea equipment relevant to company operations e.g. ROV, dive equipment, survey equipment	
c)	Plans maintenance activities in a safe manner and obtains all necessary authorisations	
d)	Carries out maintenance activities in accordance with appropriate timescales	
e)	Demonstrates the ability to isolate electrical systems prior to carrying out electrical maintenance activities	
f)	Can locate, inspect, test and calibrate appropriate test equipment for electrical maintenance activities	
g)	Can inspect and test all electrical cabling on subsea systems	
h)	Can repair electrical cables in line with company procedures	
i)	Can clean electrical connectors in accordance with company procedures	
j)	Performs continuity and insulation checks in a safe manner using appropriate testing methods	
k)	Can remove and inspect electronic circuit boards paying particular attention to the different types of connectors used	
l)	Where appropriate performs routine tests on electrical equipment using built-in diagnostic systems	
m)	Inspecting and testing electrical components such as fuses, relays, contactors etc	
n)	Any problems in implementing maintenance are dealt with effectively	
o)	Complete documentation after maintenance activities including reordering spares and updating inventories	
p)	Test the system after maintenance activities paying particular attention to safety requirements	
q)	Health and safety legislation is adhered to at all times	

Witness name: (If applicable in assessment plan)		Date:	
Assessor name:		Date:	